

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Georgios B. Giannakis; Liuqing Yang	Confirmation No.	1088
Serial No.:	10/796,563		
Filed:	March 8, 2004	Customer No.:	28863
Examiner:	Juan A. Torres		
Group Art Unit:	2611		
Docket No.:	1008-013US01		
Title:	SPACE-TIME CODING FOR MULTI-ANTENNA ULTRA-WIDEBAND TRANSMISSIONS		

---

CERTIFICATE UNDER 37 CFR 1.8 I hereby certify that this correspondence is being transmitted via the United States Patent and Trademark Office electronic filing system on August 7, 2007.

By: Beth M. Lindblom  
Name: Beth M. Lindblom

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendments  
Commissioner for Patents  
Alexandria, VA 22313-1450

Dear Sir:

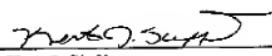
Applicant submits the references listed on the attached form PTO-1449. This Information Disclosure Statement is being filed after a first Office Action on the merits but before a Notice of Allowance or a Final Rejection.

Applicant has enclosed a copy of each article cited. Copies of the U.S. patents are not enclosed as this requirement has been waived by the U.S. Patent Office.

Please charge Deposit Account No. 50-1778 the amount of \$180.00 to cover the required fee set forth in §1.17(p). Please apply any other charges or credits to Deposit Account No. 50-1778.

Respectfully submitted,

Date: August 7, 2007

  
\_\_\_\_\_  
By: Kent J. Sieffert  
Reg. No.: 41,312

Shumaker & Sieffert, P.A.  
1625 Radio Drive, Suite 300  
Woodbury, Minnesota 55125  
Phone: (651) 735-1100  
Fax: (651) 735-1102

Page 1 of 1

Form 1449*		Docket Number: 1008-013US01	Application Number: 10/796,563
<b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)		Applicant: Georgios B. Giannakis; Liqing Yang	
		Filing Date: March 8, 2004	Group Art Unit: 2611
		Examiner Name: Juan A. Torres	

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Issue/Document Publication Date	Name	Filing Date If Appropriate
	2001/0053175 A1	12/20/2001	Hoctor et al.	
	2003/0069025 A1	04/10/2003	Hoctor et al.	
	2003/0108133 A2	06/12/2003	Richards	
	2003/0198308 A1	10/23/2003	Hoctor et al.	
	2003/0198212 A1	10/23/2003	Hoctor et al.	
	6,744,832 B2	06/01/2004	Miao	
	2004/0156421 A1	08/12/2004	Yamaguchi	
	7,068,715 B2	06/27/2006	Hoctor et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Publication Date	Country	Translation	
				Yes	No

**OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)**

	Hovinen et al., "Ultra Wideband Radio Channel Modelling for Indoors," COST273 Workshop in Helsinki, 7 pages, May 29-30, 2002.

EXAMINER	Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-FB-A820  
(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce